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| Nota di contenuto | Chapter 1. Inconsistent Thinking, Fast and Slow; Francesco Berto -- Chapter 2. Recursive functions for paraconsistent reasoners; Zach Weber -- Chapter 3. Instantaneous Contradiction in Motion and Perception: Modeling the Phenomenal Present with a Dialetheic Logic of Time; Corry Shores -- Chapter 4. Saving Proof from Paradox: Against the Inconsistency of Informal Mathematics; Fenner Tanswell.-Chapter 5. Revenge for Berto's Law of Non-Contradiction; Diego Tajer -- Chapter 6. On Coherence and Inconsistency; Martin Pleitz -- Chapter 7. On the Preservation of Reliability; Bryson Brown -- Chapter 8. Inconsistency Handling in the Sciences: Where and How do we Need Paraconsistency?; Joke Meheus -- Chapter 9. Revision-Theoretic Truth and Degrees of Paradoxicality; Cian Chartier -- Chapter 10. Inconsistent Scientific Theories: A Framework; Otavio Bueno -- Chapter 11. Prospects for triviality; Luis Estrada Gonzáles -- Chapter 12. On the interpretation of classical mathematics in naïve set theory; Morgan Thomas -- Chapter 13. Doing Mathematics Paraconsistently. A manifesto.; Maarten McKubre-Jordens -- Chapter 14. Why designate gluts?; Andreas Kapsner -- Chapter 15. On the methodology of paraconsistent logic; Heinrich Wansing and Sergei Odintsov -- Chapter 16. Dynamic proofs for networks of partial structures; Holger Andres and Peter Verdée. |

Sommario/riassunto

This book covers work written by leading scholars from different schools within the research area of paraconsistency. The authors critically investigate how contemporary paraconsistent logics can be used to better understand human reasoning in science and mathematics. Offering a variety of perspectives, they shed a new light on the question of whether paraconsistent logics can function as the underlying logics of inconsistent but useful scientific and mathematical theories. The great variety of paraconsistent logics gives rise to various, interrelated questions, such as what are the desiderata a paraconsistent logic should satisfy, is there prospect of a universal approach to paraconsistent reasoning with axiomatic theories, and to what extent is reasoning about sets structurally analogous to reasoning about truth. Furthermore, the authors consider paraconsistent logic's status as either a normative or descriptive discipline (or one which falls in between) and which inconsistent but non-trivial axiomatic theories are well understood by which types of paraconsistent approaches. This volume addresses such questions from different perspectives in order to (i) obtain a representative overview of the state of the art in the philosophical debate on paraconsistency, (ii) come up with fresh ideas for the future of paraconsistency, and most importantly (iii) provide paraconsistent logic with a stronger philosophical foundation, taking into account the developments within the different schools of paraconsistency.